

Ratby Medical Centre

Electrical Technical Submission – External Lighting



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Please note the images on the following pages are stock images so please refer to the table hereunder for the finishes schedules.

Lighting Columns – All to be of a galvanised finish
 Light Column Heads – RAL9006 metallic silver finish
 Wall Mounted Lights – RAL9006 metallic silver finish
 Bollards – RAL9006 metallic silver finish

External Lighting Control Philosophy

External lighting philosophy:-

The external lighting design is in compliance with table 1 (and it's accompanying notes) of the ILE guidance notes for the reduction of Obtrusive light, 2005:- All external lighting can be automatically switched off between 2300 and 0700hours. This is achieved via a timer for all external lighting set to the appropriate hours.

All luminaires are complete with motion sensors to be used during outside of normal working hours. When the site has been vacated the detectors shall automatically reduce the light output of the luminaire and upon detection of people or vehicles the luminaire will increase to normal designed levels.

After a period of no detection (10 minutes) the luminaires will dim down.

In summary:-

7am to 6pm - lighting will be controlled via photocell only
 6pm to 11pm - lighting will be controlled via motion sensors
 11pm to 7am - lighting will remain off

Results

Statistics				
Description	Symbol	Avg	Min	Min/Avg
Building Perimeter	+	17 lux	3 lux	0.18
Car Park	+	20 lux	5 lux	0.25
Spill	+	1 lux	0 lux	0.00
Spill to No.1 with a 2m hedge modelled	+	0 lux	0 lux	N/A

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Type & Location of Product:

Location;	External Car Park
Product;	LED Luminaire Column Mounted @ 6m AFFL
Manufacturer;	Holophane Lighting
Supplier;	Holophane Lighting



RAL 9006 METALLIC SILVER FINISH

Description:	1x 9,673 Lumen (81W) LED Luminaire (0 degree tilt)
Legend ref:	A1
Model:	D-Series Luminaire – DSX0.1.LA104.FW

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Type & Location of Product:

Location;	External Car Park
Product;	LED Luminaire Column Mounted @ 6m AFFL (Plus Backlit shield)
Manufacturer;	Holophane Lighting
Supplier;	Holophane Lighting



RAL 9006 METALLIC SILVER FINISH

Description:	1x7,553Lumen (81W) LED Luminaire (0 degree tilt & Backlit shield)
Legend ref:	A1s
Model:	D-Series Luminaire – DSX0.1.LA104.FW.BLS

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Type & Location of Product:

Location;	External Building Perimeter
Product;	LED Luminaire Wall Mounted @ heights as shown on drawings
Manufacturer;	Holophane Lighting
Supplier;	Holophane Lighting



RAL 9006 METALLIC SILVER FINISH

Description:	1326 Lumen (12w) LED Luminaire
Legend ref:	B
Model:	Denver Elite Wall Luminaire – DEW.LA014.NR.CGL